



**Florida Department of Health in
Manatee County**

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To report diseases or request information
call (Mon-Fri, 8-5, Area code 941):

| | |
|---------------------------|----------------------------|
| Epidemiology | 748-0747 Ext. 1272 |
| HIV/AIDS | (813) 307-8011 |
| STD | 748-0747 Ext. 1264 or 1265 |
| Animal Bite | 748-0747 Ext. 1340 |
| Tuberculosis | 748-0747 Ext. 1264 or 1265 |
| Foodborne illness | 748-0747 Ext. 1369 |
| Non-business hours | 748-0747 |

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Epi Moves

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Dengue Fever

Dengue fever is a viral, mosquito-borne disease transmitted to people by the bite of an *Aedes* mosquito. The disease is endemic in Puerto Rico and the Caribbean Basin, and most cases diagnosed in the United States are in cases with a recent travel history. However, the *Aedes aegypti* mosquito is seasonally abundant in southern portions of the United States, including the state of Florida. Martin County, along Florida's east coast, is currently investigating multiple locally-acquired dengue fever cases. Community outreach and active surveillance is now occurring to educate residents and uncover undetected cases. In 2010, Key West experienced an outbreak of locally-acquired dengue cases which resulted in similar community outreach activities. These incidents demonstrate the high probability of dengue being a permanent public health concern for the state of Florida.

The principal symptoms of dengue fever include high fever, severe headache, severe pain behind the eyes, joint pain, muscle and bone pain, rash and mild bleeding. Symptom onset begins 3-14 days after the bite of an infected mosquito. These acute symptoms, when present, usually last about one week, but weakness, malaise and anorexia may persist for several weeks. A high proportion of dengue infections produce no symptoms or minimal symptoms, especially in children and those with no previous history of having a dengue infection.

There is no specific medication for treatment of dengue, but there are some therapeutic suggestions to ease a patient's discomfort and prevent dehydration:

- Drink plenty of fluids and get plenty of rest
- Take antipyretics to control fevers
- Avoid aspirin and other nonsteroidal, anti-inflammatory medications because they increase the risk of hemorrhage

Laboratory testing for dengue fever include ELISA testing for IgM and IgG antibodies to assess a recent versus past infection. The demonstration of a four-fold or greater rise or fall in reciprocal IgG or IgM antibody titers to one or more dengue virus antigens in paired serum samples is indicative of a confirmed case. Isolation of dengue virus from serum is also possible.

Patients presenting with symptoms and a history of recent mosquito bites should be tested for dengue virus. Cases of dengue fever are reportable to the health department. Please call (941) 748-0747 extension 1272 to report a suspected or confirmed case of dengue fever to the Florida Department of Health in Manatee County Epidemiology Program.

Source: www.cdc.gov

Selected Reportable Diseases in Manatee County

| Disease | 2013 August | 2013 Year-to-Date | 2012 Year-to-Date | 2012 Total |
|---|----------------|----------------------|----------------------|---------------|
| AIDS | 5* | 14* | 17 | 26 |
| Arboviral Illness (Human): Dengue | 0 | 0 | 0 | 0 |
| Eastern Equine Encephalitis | 0 | 0 | 0 | 0 |
| St. Louis Encephalitis | 0 | 0 | 0 | 0 |
| West Nile Virus | 0 | 0 | 0 | 1 |
| Anthrax | 0 | 0 | 0 | 0 |
| Botulism | 0 | 0 | 0 | 0 |
| Campylobacteriosis | 8 | 21 | 24 | 33 |
| Carbon Monoxide Poisoning | 0 | 0 | 0 | 0 |
| Chlamydia | 109 | 963 | 870 | 1342 |
| Cryptosporidiosis | 1 | 2 | 3 | 3 |
| Cyclosporiasis | 0 | 0 | 1 | 1 |
| Diphtheria | 0 | 0 | 0 | 0 |
| <i>E. coli</i> , shiga toxin producing | 0 | 3 | 6 | 7 |
| Giardiasis | 2 | 10 | 7 | 11 |
| Gonorrhea | 14 | 312 | 250 | 381 |
| <i>H. influenzae</i> : | 0 | 3 | 5 | 6 |
| Hepatitis: A | 0 | 1 | 1 | 1 |
| B | 3 | 34 | 28 | 52 |
| C | 44 | 324 | 174 | 280 |
| Hepatitis B: Perinatal | 0 | 0 | 0 | 0 |
| Pregnant woman +HBsAg | 0 | 7 | 1 | 1 |
| HIV | 7* | 20* | 34 | 51 |
| Legionellosis | 0 | 2 | 2 | 7 |
| Listeriosis | 0 | 1 | 0 | 0 |
| Lyme Disease | 0 | 4 | 2 | 2 |
| Malaria | 0 | 0 | 1 | 1 |
| Measles | 0 | 0 | 0 | 0 |
| Meningitis: <i>Group B Strep</i> | 0 | 0 | 0 | 0 |
| <i>Listeria monocytogenes</i> | 0 | 0 | 0 | 0 |
| <i>Strep Pneumoniae</i> | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 1 | 2 |
| Meningococcal Disease (Meningococcemia & meningitis) | 0 | 2 | 2 | 2 |
| Mumps | 0 | 0 | 0 | 0 |
| Pertussis | 2 | 8 | 2 | 3 |
| Plague (Bubonic; Pneumonic) | 0 | 0 | 0 | 0 |
| Rabies, Possible Exposure | 8 | 33 | 34 | 51 |
| Rubella | 0 | 0 | 0 | 0 |
| Salmonellosis | 14 | 64 | 76 | 131 |
| Shigellosis | 1 | 4 | 1 | 5 |
| Smallpox | 0 | 0 | 0 | 0 |
| <i>Streptococcal Disease</i> , Inv. Group A | 0 | 1 | 9 | 14 |
| <i>Streptococcus pneumoniae</i> , Inv. Disease (DR) | 0 | 4 | 2 | 4 |
| <i>Streptococcus pneumoniae</i> , Inv. Disease (NDR) | 0 | 9 | 4 | 13 |
| Syphilis: Total | 2 | 16 | 12 | 19 |
| Infectious (P and S) | 1 | 5 | 0 | 1 |
| Early Latent | 0 | 5 | 5 | 8 |
| Late Syphilis (Late Latent and Neurosyphilis) | 1 | 6 | 7 | 10 |
| Congenital | 0 | 0 | 0 | 0 |
| Tetanus | 0 | 0 | 0 | 0 |
| Toxoplasmosis | 0 | 0 | 0 | 0 |
| Tuberculosis | 0 | 12 | 5 | 8 |
| Varicella | 2 | 13 | 10 | 18 |
| Vibrio (non cholera) | 1 | 1 | 4 | 6 |

*Data current through July 2013

Provisional Cases reported by the Florida Department of Health in Manatee County

For a complete list of reportable diseases and guidelines for reporting please visit:

http://www.doh.state.fl.us/disease_ctr/epi/index.html